Summary of Residents without water (1-6-11)

Name	Survey Summary	Hazardous	Comparison Value	Comparison	Maximum %
		Substances Present*		Value Source	Maximum ORIGINA
	2 adults, 1 teenager,	1)DEHP	1) 600/2,000 ug/L	1)ATSDR	1) 2.3 ug/L
Ex. 6 - Personal Privacy	water buffalo (well			Child/Adult	, ,
	disconnected) using			Chronic	
	donated bottled water		*	EMEG	
	for drinking. Delivery				
	of water to buffalo	2)Glycols	2) 8,000/30,000	2)ATSDR	2) 4700J ug/L
	discontinued by donor		ug/L	Ćhild/Adult	, ,
	parties.	·	,	Intermediate	
	\ _			EMEG	
		3) 2-Methoxyethanol	3) None		
			Established	3) None	3) 1300J ug/L
)
***(5, 38)(3 <u>.</u>	124	4)Manganese Sugal	4) 50 ug/L 🔆	4) EPA SMCL	4) 96.5 ug/L

Tox: Although manganese was detected at a level (96.5 ug/L) that exceeds its Secondary MCL (50 ug/L), this concentration would not be

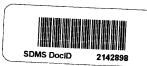
expected to pose a significant threat. The other contaminants also would not pose a significant risk.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Elevated methane. Biological ok. Potential quality control issues with data. Do not use until further characterization recommended.

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2. Ex. 6 - Personal Privacy	2 adults, no children,	Arsenic	"r	3/10 ug/L	ATSDR	1.8J ug/L
	water buffalo (well not				Child/Adult	
	being used) using donated				Chronic	
-	bottled water for drinking.		,		EMEG	`
	Delivery to water buffalo				'	
	discontinued by donor					
	parties					

Tox: No contaminants at levels of concern.

ATSDR: No organics data. Elevated methane, ethane, and ethene. Further characterization recommended.





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3.	Ex. 6 - Personal Privacy	2 adults, no children,	1)Glycols	1)8000/30,000 ug/L	1) ATSDR	1)~1620 ug/L
	Ex. 6 - Personal Privacy	water buffalo (well not		•	Child/Adult	
	i	being used) using	2) 2-Methoxyethanol		Intermediate	
		donated bottled water	,	$\cdot f$	EMEG	
		for drinking. Delivery	3) Arsenic			
		to water buffalo		2)None Established	2) None	2) 1100J ug/L
		discontinued by donor	4) Mangenese	·		
		parties. Pumping water	-	3) 3/10 ug/L	3) ATSDR	3) 2.4J ug/L
		from the creek to the	5) Sodium		Child/Adult	
		water buffalo			Chronic	
					EMEG	
				4) 50 ug/L	4) EPA SMCL	4) 76J ug/L
				5) 20,000 ug/L	5) EPA	5) 110,000 ug/L
			200		Drinking	200
		·			Water	
					Advisory	4 4

TOX: Sodium (110,000 ug/L) exceeds its Secondary MCL, which is based on aesthetics, as well as the safe level of intake for individuals on sodium-restricted diets. From a health perspective, the detected level of sodium could be a concern for hypertensive individuals. Manganese (76 ug/L) exceeds its Secondary MCL, but does not pose a threat.

ATSDR: Glycol-compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Elevated sodium. Elevated methane. Biological ok. Do not use until further characterization recommended.

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	1	T ' ' ' ' '		T	T
4. Ex. 6 - Personal Privacy	4 adults, no children,	1) Glycols	1) 8000/30,000	1) ATSDR	1) 630J ug/L
24.0 1 6.55.14.1 1.14.69	water buffalo (well not		ug/L	Child/Adult	
C	being used) using			Intermediate	
	donated bottled water for			EMEG	
	drinking. Delivery to				
	water buffalo	2) 2-Methoxyethanol	2) None	2) None	2) 880J ug/L
	discontinued by donor	,,	Established	Established	, , , , , ,
	parties.				
	parties.	3) Arsenic	3) 3/10 ug/L	3) ATSDR	3) 7.2B ug/L
•	·		3) 3/10 dg/L	Child/Adult	3) 1.2D ug/L
			•	Chronic	
•		,		EMEG	,
				EIVIEG	
		A) Managanaga	4) 50 ug/L	4) EPA SMCL	4) 628 ug/L
•		4) Mangenese	4) 30 ug/L	4) EFA SMCL	4) 020 ug/L
	1444	5)Sodium	5) 20,000 ug/L	5) EPA	5) 82,900 ug/L
·	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2) 5) 50 di dili	3) 20,000 dg/L	Drinking	3) 02,700 ug/L
	223.5		*		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	J: Water	
	THE STATE OF THE S			Water	
Tayya Similar ta shaya (D	Adv.	and at this residence (9	2 000 vg/L) in overes	Advisory	1Cl Manganaga
	esident 3), sodium was obser			Advisory of its Secondary M	
ug/L) also exceeded its Se	condary MCL; exposure to t	his concentration would	l yield a Hazard Quoti	Advisory of its Secondary Nent of approximate	ely 2
ug/L) also exceeded its Se ATSDR: Glycol compound de	condary MCL; exposure to t	his concentration would detection issues as we've	l yield a Hazard Quotion discussed). Elevated r	Advisory of its Secondary Nent of approximate	ely 2
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to to the etections of concern (analytical entrol issues with data. Do not	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Ment of approximate manganese. Elevate	ely 2. ed methane. Biologi
ug/L) also exceeded its Se ATSDR: Glycol compound de	econdary MCL; exposure to the etections of concern (analytical entrol issues with data. Do not a adults, no children,	his concentration would detection issues as we've	l yield a Hazard Quotion discussed). Elevated r	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR	ely 2
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to to the etections of concern (analytical entrol issues with data. Do not	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Ment of approximate manganese. Elevate	ely 2. Biolog
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	econdary MCL; exposure to the etections of concern (analytical entrol issues with data. Do not a adults, no children,	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR	ely 2. Biolog
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to the etections of concern (analytical antrol issues with data. Do not a sadults, no children, not using water buffalo using well water for	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR Child/Adult	ely 2. ed methane. Biologi
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to the tections of concern (analytical introl issues with data. Do not a sadults, no children, not using water buffalo using well water for everything but drinking	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Ment of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic	ely 2. Biolog
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to the tections of concern (analytical antrol issues with data. Do not a sadults, no children, not using water buffalo using well water for everything but drinking and cooking buying	his concentration would detection issues as we've use until further character 1) Arsenic	l yield a Hazard Quotice discussed). Elevated rization recommended.	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic EMEG	ely 2. Biolog and methane. Biolog and 1) 1.3 ug/L
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to the etections of concern (analytical introl issues with data. Do not a substantial of the etection of	his concentration would detection issues as we've use until further character	l yield a Hazard Quotion discussed). Elevated reization recommended.	Advisory of its Secondary Ment of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic	ely 2. Biolog
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	and cooking buying their own bottled water for drinking and	his concentration would detection issues as we've use until further character 1) Arsenic	l yield a Hazard Quotice discussed). Elevated rization recommended.	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic EMEG	ely 2. Biolog and methane. Biolog and 1) 1.3 ug/L
ug/L) also exceeded its Se ATSDR: Glycol compound d concern. Potential quality co	condary MCL; exposure to the tections of concern (analytical entrol issues with data. Do not also and a substantial of the control issues with data. Do not a substantial of the control issues with data. Do not a substantial of the control issues with data. Do not a substantial of the control issues with data. Do not a substantial of the control issues with data. Do not using water for everything but drinking and cooking buying their own bottled water for drinking and cooking. High	his concentration would detection issues as we've use until further character 1) Arsenic	l yield a Hazard Quotice discussed). Elevated rization recommended.	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic EMEG	ely 2. Biolog and methane. Biolog and 1) 1.3 ug/L
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ug/L) also exceeded its Se ATSDR: Glycol compound di concern. Potential quality co	and cooking buying their own bottled water for drinking and cooking. High sediment noted in their filter.	his concentration would detection issues as we've use until further character 1) Arsenic 2) Mangenese	l yield a Hazard Quotice discussed). Elevated rization recommended. 1) 3/10 ug/L 2) 50 ug/L	Advisory of its Secondary Nent of approximate nanganese. Elevate 1) ATSDR Child/Adult Chronic EMEG	ely 2. Biologi and methane. Biologi and 1) 1.3 ug/L
ug/L) also exceeded its Se ATSDR: Glycol compound di concern. Potential quality co 5. Ex. 6 - Personal Privacy Tox: Manganese (212 ug/	decondary MCL, exposure to the elections of concern (analytical entrol issues with data. Do not also and a substantial of the elections of concern (analytical entrol issues with data. Do not also and cooking water buffalor, using well water for everything but drinking and cooking buying their own bottled water for drinking and cooking. High sediment noted in their	his concentration would detection issues as we've use until further character 1) Arsenic 2) Mangenese MCL, but does not pose	l yield a Hazard Quotice discussed). Elevated rization recommended. 1) 3/10 ug/L 2) 50 ug/L a threat.	Advisory of its Secondary Ment of approximate manganese. Elevate 1) ATSDR Child/Adult Chronic EMEG 2) EPA SMCL	ely 2. Biologi and methane. Biologi and 1) 1.3 ug/L



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_ , /	6	2 adults, 2 teenagers, 3	1) DEHP	1) 600/2,000 ug/L	1) ATSDR	1) 22 ug/L
A	0.		DEAL	1) 000/2,000 ug/L	1 '	1) 22 ug/L
	Ex. 6 - Personal Privacy	children, water buffalo			Child/Adult	
_		(well not being used)			Chronic	
		using donated bottled			EMEG	
		water for drinking.		·		
		Delivery to water	2) Arsenic	2) 3/10 ug/L	2) ATSDR	2) 6.5 ug/L
·		buffalo discontinued by		, ,	Child/Adult	, ,
		donor parties.			Chronic	}
		· · · · · · · · · · · · · · · · · · ·			EMEG	
					Biribo	
(hand	druins Junel	<i>Ω</i> . \	3) Mangenese	3) 50 ug/L	3) EPA SMCL	3) 669 ug/L
[Warry	A AM	√ \	3) Mangenese	3) 30 ug/L	3) El A SMCL	3) 009 ug/L
	J J J SWEY			A) 20 000 /r	4) ED 4	4) 121 000 //
	1 X W		4) Sodium	4) 20,000 ug/L	4) EPA	4) 131,000 ug/L
				•	Drinking	
					Water	
No		50 s			Advisory-	
UNI.	TOX: DEHP (22 ug/L) ex	ceeds its MCL (6 ug/L) and	also its risk-based-scre	ening level (7.1 ug/L,	set at an excess ca	ncer risk of 1E-04).

Long-term exposure to this level of DEHP would pose a cancer risk of approximately 3E-14; this would be considered an imminent and substantial threat. Additionally, sodium (131,000 ug/L) exceeds its Secondary MCL and could pose a threat to sodium-sensitive individuals. Note that three children reside at this location.

ATSDR: Limited organics data. Elevated manganese and sodium. Elevated methane. Biological concern. Do not use until further characterization recommended.

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	Fisher – 2 adults, 1	1) Glycols	1) 8000/30,000	1) ATSDR	1) 3400J ug/L
9	senior, 1 adolescent, 1		ug/L	Child/Adult	,
(child, 1 toddler, water			Intermediate	·
Ex. 6 - Personal Privacy	buffalo (well not being			EMEG	;
	used) using donated			•	
	bottled water for	2) Arsenic	2) 3/10 ug/L	2) ATSDR	2) 3.1 ug/L
L	drinking. Delivery to			Child/Adult	
1	water buffalo	,	•	Chronic	
	discontinued by donor			EMEG	
-	parties.				
		3) Mangenese	3) 50 ug/L	3) EPA SMCL	3) 1360 ug/L

TOX: Manganese was detected at a level (1360 ug/L) that generates a Hazard Quotient of approximately 4. This represents an imminent and substantial threat. Note that two children (including one toddler) reside at this location.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Biological concern. Do not

use until further characterization recommended.

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8.		3 adults, 3 seniors, 2	1)DEHP	1) 600/2,000 ug/L	1) ATSDR	1) 2.61 ug/L
	Ex. 6 - Personal Privacy	toddlers, water buffalo			Child/Adult	
		disconnected. Well			Chronic	
	<u>[</u> j	back in use for non-			EMEG	
		potable uses. Bottle				
		water used for drinking	2)Arsenic	2) 3/10 ug/L	2) ATSDR	2) 37 ug/L
		and cooking. Resident			Child/Adult	
		installed filter system			Chronic	
		(not sure it is certified			EMEG	
		for potential			•	
		contaminants)	3)Manganese	3) 50 ug/L	3) EPA SMCL	3) 413 ug/L
			4)Sodium	4) 20,000 ug/L	4) EPA	4) 36,800 ug/L
					Drinking	7 .
					Water	
					Advisory	-District Co

TOX: Arsenic (37 ug/L) was observed at a concentration that would pose a long-term cancer risk of 8E-04. This represents an imminent and substantial threat. Additionally, the detected concentration of arsenic exceeds its MCL (10 ug/L). Note that two toddlers reside at this location.

ATSDR: Glycol compound detections of concern (analytical detection issues as we've discussed). Elevated manganese. Elevated sodium. Biological concern. Do not use until further characterization recommended.

* Note, other chemicals of concern to ATSDR are present in all of these wells.

Overall ATSDR statement

ATSDR's preliminary public health evaluation of the private well water data at this time remains as summarized in our 12/29/11 Record of Activity document. We concluded that considering the maximum levels detected in these wells and the potential quality control issues, a possible chronic public health threat for prolonged use of the water from at least some of these wells exits. We recommended not using the water until further characterization could better establish the existence of a public health threat.